

71. (New) The polypeptide of claim 67 wherein the chemokine polypeptide comprises SEQ ID NO:1 from amino acid 22 to amino acid 328.

72. (New) The polypeptide of claim 67 wherein the chemokine polypeptide comprises SEQ ID NO:3.

73. (New) The polypeptide of claim 67 wherein the chemokine polypeptide comprises SEQ ID NO:3 from amino acid 20 to amino acid 326.

Remarks

Claims 1-56 in the parent application have been canceled and new claims 57-73 have been added. New claims 57-73 have been added in an effort to better define the scope of the invention. Applicants submit that no new matter has been added as a result of the addition of claims 57-73. Support for the new claims can be found throughout the specification.

The Specification has been amended to add the ATCC numbers, all of which information was not available at the time of filing the parent application, which specification is being submitted herewith, and to correct typographical errors. No new subject matter has been added. A marked-up copy of the amendment to the Specification is provided in Appendix A at page 10.

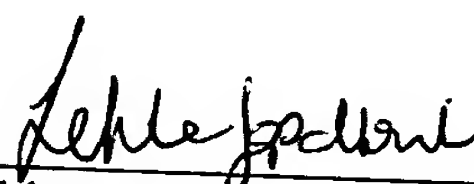
Conclusion

In view of the foregoing, Applicants respectfully request the thorough and complete examination of this application and earnestly solicit an early notice of allowance.

Respectfully submitted,

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Appendix A

Marked-up Copy of Amended Portion of Specification

Amendment to paragraph at page 6, lines 7-9:

(f) a polynucleotide comprising the nucleotide sequence of the full-length protein-coding sequence of clone S1-3 deposited under accession number ATCC [XXXXXX] 98338;

Amendment to paragraph at page 6, lines 10-12:

(g) a polynucleotide comprising the nucleotide sequence of the mature protein-coding sequence of clone S1-3 deposited under accession number ATCC [XXXXXX] 98338;

Amendment to paragraph at page 7, lines 5-9:

Preferably, such polynucleotide comprises the nucleotide sequence of SEQ ID NO:2 from nucleotide 12 to nucleotide 1213; the nucleotide sequence of the full-length protein-coding sequence of clone S1-3 deposited under accession number ATCC [XXXXXX] 98338; or the nucleotide sequence of the mature protein-coding sequence of clone S1-3 deposited under accession number ATCC [XXXXXX] 98338.

Amendment to paragraph extending from page 22, line 18 to page 23, line 6:

The sequence of a polynucleotide encoding one such chimeric polypeptide including an SDF-1 α domain is set forth in SEQ ID NO:2, with the protein-coding sequence (including introns) extending from nucleotide 12 to 1213. This polynucleotide has been identified as S1-2 or S1-3, the DNA sequences of these two constructs appearing to be identical. The amino acid sequence of the chimeric polypeptide encoded by S1-2 and S1-3 is set forth in SEQ ID NO:1. The chimeric polypeptide encoded by S1-2 and S1-3 is 328 amino acids in length, with the mature polypeptide produced by cleavage of the secretory leader sequence beginning at amino acid 20, 21 or 22 of SEQ ID NO:1, depending on how the polypeptide is processed. The polynucleotide construct S1-3 was deposited with the American Type Culture Collection on February 28, 1997 and given the accession number [XXXXXX] 98338.

Amendment to paragraph at page 7, lines 19-21:

(d) a polynucleotide comprising the nucleotide sequence of the full-length protein-coding sequence of clone SK2-2 deposited under accession number ATCC [XXXXXX] 98339;

Amendment to paragraph at page 8, lines 1-3:

(e) a polynucleotide comprising the nucleotide sequence of the mature protein-coding sequence of clone SK-2 deposited under accession number ATCC [XXXXXX] 98339;

Amendment to paragraph at page 8, lines 16-20:

Preferably, such polynucleotide comprises the nucleotide sequence of SEQ ID NO:4 from nucleotide 12 to nucleotide 1207; the nucleotide sequence of the full-length protein-coding sequence of clone SK2-2 deposited under accession number ATCC [XXXXXX] 98339; or the nucleotide sequence of the mature protein-coding sequence of clone SK2-2 deposited under accession number ATCC [XXXXXX] 98339.

Amendment to paragraph at page 23, lines 7-19:

The sequence of a polynucleotide encoding another such chimeric polypeptide that includes a domain derived from SDF-1 α domain is set forth in SEQ ID NO:4, with the protein-coding sequence (including introns) extending from nucleotide 12 to 1207. This polynucleotide has been identified as SK2-2. The amino acid sequence of the chimeric polypeptide encoded by SK2-2 is set forth in SEQ ID NO:3. The chimeric polypeptide encoded by SK2-2 is 326 amino acids in length, with the mature polypeptide produced by cleavage of the secretory leader sequence beginning at amino acid 20 of SEQ ID NO:3. The polypeptide encoded by SK2-2 differs from that encoded by S1-2 and S1-3 in that two amino acids have been deleted from the SK2-2 sequence so that cleavage of the secretory leader sequence is predicted to always produce a product beginning at amino acid 20 of SEQ ID NO:3. The polynucleotide construct SK2-2 was deposited with the American Type Culture Collection on February 28, 1997 and given the accession number [XXXXXX] 98339.

Amendment to paragraph at page 9, lines 13-15:

(e) a polynucleotide comprising the nucleotide sequence of the full-length protein-coding sequence of clone MP-2 deposited under accession number ATCC [XXXXXX] 98342;

Amendment to paragraph at page 10, lines 1-3:

(h) a polynucleotide comprising the nucleotide sequence of the mature protein-coding sequence of clone MP-2 deposited under accession number ATCC [XXXXXX] 98342;

Amendment to paragraph at page 9, lines 16-18:

(f) a polynucleotide comprising the nucleotide sequence of the full-length protein-coding sequence of MP-6 deposited under accession number ATCC [XXXX] 98340;

Amendment to paragraph at page 10, lines 4-6:

(i) a polynucleotide comprising the nucleotide sequence of the full-length protein-coding sequence of MP-6 deposited under accession number ATCC [XXXXX] 98340;

Amendment to paragraph that extends from page 10, line 19 to page 11, line 3:

Preferably, such polynucleotide comprises the nucleotide sequence of SEQ ID NO:6 from nucleotide 15 to nucleotide 1225; the nucleotide sequence of the full-length protein-coding sequence of clones MP-1, MP-2, and MP-6 deposited under accession numbers ATCC [XXXXX] 98431, ATCC [XXXXX] 98432, and ATCC [XXXXX] 98430, respectively; or the nucleotide sequence of the mature protein-coding of clones MP-1, MP-2, and MP-6 deposited under accession numbers ATCC [XXXXX] 98431, ATCC [XXXXX] 98432, and ATCC [XXXXX] 98430, respectively.

Amendment to paragraph at page 15, lines 19-22:

(a) combining a composition [of claim 23] comprising a chimeric polypeptide with a composition comprising molecules to be tested for interaction, forming a first mixture;

Amendment to paragraph that extends from page 23, line 20 to page 24, line 10:

The sequence of a polynucleotide encoding a chimeric polypeptide that includes an MIP-1 α domain is set forth in SEQ ID NO:6, with the protein-coding sequence (including introns) extending from nucleotide 15 to 1225. This polynucleotide is identified as MP-1. The DNA sequence of MP-1 has been determined, and while the DNA sequences of MP-2 and MP-6 are anticipated to be identical to that of MP-1, these clones may contain some PCR-generated DNA sequence alterations. The amino acid sequence of the chimeric polypeptide encoded by MP-1, and presumably encoded by MP-2 and MP-6, is set forth in SEQ ID NO:5. The chimeric polypeptide encoded by MP-1 is 331 amino acids in length, with the mature polypeptide produced by cleavage of the secretory leader sequence beginning at amino acid 23 of SEQ ID NO:5. The polynucleotide constructs MP-1, MP-2, and MP-6 were deposited with the American Type Culture Collection on February 28, 1997 and given the accession numbers ATCC [XXXXX] 98431, ATCC [XXXXX] 98432, and ATCC [XXXXX] 98430 respectively.